

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/IB2004/050477

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 G06F17/30 G10L15/02 G10L15/14 G10L17/00

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G06F G10L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 918 223 A (KEISLAR DOUGLAS F ET AL) 29 June 1999 (1999-06-29) figure 3 column 6, line 24 - column 8, line 55 figure 14 column 15, line 30 - column 17, line 5	1-12
X	US 2002/087565 A1 (HOEKMAN JEFFREY S ET AL) 4 July 2002 (2002-07-04) figure 1 figure 2 figure 7a paragraph '0016! - paragraph '0026! paragraph '0080! - paragraph '0086! paragraph '0089! - paragraph '0090! ----- -/--	1-12

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

### \* Special categories of cited documents :

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
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- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
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Date of the actual completion of the international search

23 July 2004

Date of mailing of the international search report

30/08/2004

Name and mailing address of the ISA

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>WOLD E ET AL: "Content-based classification, search, and retrieval of audio"</p> <p>IEEE MULTIMEDIA, IEEE COMPUTER SOCIETY, US, vol. 3, no. 3, 1996, pages 27-36, XP002154735</p> <p>ISSN: 1070-986X</p> <p>cited in the application</p> <p>the whole document</p>	1-12
A	<p>BETH LOGAN: "Mel Frequency Cepstral Coefficients for Music Modelling"</p> <p>PROCEEDINGS OF ISMIR 2000, 'Online! 25 October 2000 (2000-10-25), XP002289783</p> <p>PLYMOUTH MASS</p> <p>Retrieved from the Internet:</p> <p>URL: <a href="http://ciir.cs.umass.edu/music2000/">http://ciir.cs.umass.edu/music2000/</a>&gt;</p> <p>'retrieved on 2004-07-23!</p> <p>figure 1</p>	7
A	<p>US 2003/040904 A1 (WHITMAN BRIAN ET AL)</p> <p>27 February 2003 (2003-02-27)</p> <p>paragraph '0004! - paragraph '0012!</p>	1-12

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Patent document cited in search report		Publication date	Patent family member(s)		Publication date
US 5918223	A	29-06-1999	NONE		
US 2002087565	A1	04-07-2002	US	2004060426 A1	01-04-2004
US 2003040904	A1	27-02-2003	JP	2003067399 A	07-03-2003